

WHAT IS CLAIMED IS:

1. An electron gun for a cathode ray tube, comprising:

a triode portion including cathodes, a first electrode, and a second electrode arranged with predetermined gaps therebetween;

5 a plurality of electrodes arranged from a position adjacent the second electrode, wherein the plurality of electrodes are capable of receiving voltages;

an anode electrode arranged farthest away from the cathodes and having a predetermined gap from at least one of the plurality of electrodes; and

10 a support for supporting the plurality of electrodes at predetermined intervals from each other, wherein one of the plurality of electrodes is a multiple-element electrode that includes a first sub-electrode and a second sub-electrode that are arranged having gaps formed between a portion of the first sub-electrode and a portion of the second sub-electrode.

15 2. The electron gun for a cathode ray tube of claim 1, wherein at least one of the first sub-electrode and the second sub-electrode is cup-shaped.

3. The electron gun for a cathode ray tube of claim 2, wherein the first sub-electrode and the second sub-electrode are cup-shaped and have at least one different dimension from each other.

20 4. The electron gun for a cathode ray tube of claim 3, wherein at least one of the first cup-shaped sub-electrode and the second cup-shaped sub-electrode comprises:

a first container including electron beam passage holes;

a flange extending around a circumference of an opening of the first container and the second container; and

insertion members extending from at least a portion of the flange, wherein the insertion members are arranged into the support.

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5. The electron gun for a cathode ray tube of claim 1, wherein one of the first sub-electrode is cup-shaped and the second sub-electrode is plate-shaped.

10 6. The electron gun for a cathode ray tube of claim 2, wherein the first sub-electrode is cup-shaped and the second sub-electrode are cup shaped have at least one substantially identical dimension and the gap is formed between a surface of the first sub-electrode and the second sub-electrode.

15 7. The electron gun for a cathode ray tube of claim 6, wherein at least one protrusion is formed on at least one of the first cup-shaped sub-electrode and the second cup-shaped sub-electrode, and the first cup-shaped electrode and the second cup-shaped sub-electrode are connected with the protrusions.

20 8. The electron gun for a cathode ray tube of claim 7, wherein a gap is formed between the first cup-shaped electrode and the second cup-shaped electrode.

9. The electron gun for a cathode ray tube of claim 5, wherein the first cup-shaped sub-electrode and the second plate-shaped sub-electrode have at least one substantially identical

dimension and gap is formed between circumferences of the first cup-shaped sub-electrode and the second plate-shaped sub-electrode.

10. The electron gun for a cathode ray tube of claim 1, wherein the multiple-element
5 electrode is formed by bending the first sub-electrode and the second sub-electrode such that insertion members of the sub-electrodes are interconnected and by welding the first sub-electrode and the second sub-electrode together in a position that minimizes generation of friction and noise during operation of the cathode ray tube.

10 11. The electron gun for a cathode ray tube of claim 6, wherein a predetermined gap is formed between areas of the first cup-shaped sub-electrode and the second cup-shaped sub-electrode that is adjacent to outermost electron beam passage holes.

12. The electron gun for a cathode ray tube of claim 1, wherein the electrodes receive
15 a constant voltage.

13. The electron gun for a cathode ray tube of claim 1, wherein the electrodes receive a dynamic voltage.

20 14. The electron gun for a cathode ray tube of claim 13, wherein the dynamic voltage is synchronized with a deflection signal of electron beams.

15. An electron gun for a cathode ray tube, comprising:

a triode portion including a cathode, a first electrode, and a second electrode arranged in an in-line sequence with predetermined gaps therebetween;

a plurality of electrodes arranged at predetermined intervals adjacent, wherein the first of the plurality of electrodes is arranged adjacent the second electrode and the plurality of electrodes receive a voltage;

an anode electrode arranged in-line and being at a farthest distance from the cathode and having a gap from at least one of the plurality of electrodes; and

a support for supporting the plurality of electrodes, the anode, the cathode, the first electrode and the second electrode at predetermined intervals from each other, wherein one of the plurality of electrodes is a multiple-element electrode that includes a first sub-electrode and a second sub-electrode that are arranged having gaps formed between a portion of the first sub-electrode and a portion of the second sub-electrode for reducing noise during operation of the cathode ray tube.

16. The electron gun for a cathode ray tube of claim 15, wherein at least one of the first sub-electrode and the second sub-electrode is cup-shaped.

17. The electron gun for a cathode ray tube of claim 15, wherein the first sub-electrode and the second sub-electrode are cup-shaped and have at least one different dimension from each other.

18. The electron gun for a cathode ray tube of claim 15, wherein one of the first sub-electrode is cup-shaped and the second sub-electrode is plate-shaped.

19. The electron gun for a cathode ray tube of claim 15, wherein the first sub-electrode is cup-shaped and the second sub-electrode are cup shaped having at least one substantially identical dimension and the gap is formed between a surface of the first sub-electrode and the second sub-electrode.

20. The electron gun for a cathode ray tube of claim 15, wherein at least one protrusion is formed on at least one of the first cup-shaped sub-electrode and the second cup-shaped sub-electrode, and the first cup-shaped electrode and the second cup-shaped sub-electrode are connected with the protrusions thereby forming a gap between the first cup-shaped sub-electrode and the second cup-shaped sub-electrode.